



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

April 1, 2016

LICENSEE: STP Nuclear Operating Company

FACILITY: South Texas Project, Units 1 and 2

SUBJECT: SUMMARY OF FEBRUARY 18, 2016, PUBLIC MEETING WITH STP NUCLEAR OPERATING COMPANY TO DISCUSS THE LICENSE AMENDMENT AND EXEMPTION REQUESTS TO USE A RISK-INFORMED APPROACH TO THE RESOLUTION OF GENERIC SAFETY ISSUE 191, "ASSESSMENT OF DEBRIS ACCUMULATION ON PWR SUMP PERFORMANCE" (CAC NOS. MF2400, MF2401, MF2402, MF2403, MF2404, MF2405, MF2406, MF2407, MF2408, AND MF2409)

On February 18, 2016, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of STP Nuclear Operating Company (STPNOC, the licensee), at NRC Headquarters, Rockville, Maryland. The meeting notice and agenda, dated February 4, 2016, are located in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML16035A495. A list of meeting attendees is provided in the Enclosure to this meeting summary.

By letter dated June 19, 2013 (ADAMS Accession No. ML131750250), as supplemented by letters dated October 3, October 31, November 13, November 21 and December 23, 2013 (two letters); and January 9, February 13, February 27, March 17, March 18, May 15 (two letters), May 22, June 25, July 15, 2014; and March 10, March 25, and August 20, 2015 (ADAMS Accession Nos. ML13295A222, ML13323A673, ML13323A128, ML13338A165, ML14015A312, ML14015A311, ML14029A533, ML14052A110, ML14072A075, ML14086A383, ML14087A126, ML14149A353, ML14149A354, ML14149A439, ML14178A467, ML14202A045, ML15072A092, ML15091A440, and ML15246A125, respectively), STPNOC submitted exemption requests accompanied by license amendment requests (LARs) for a risk-informed approach to resolve Generic Safety Issue (GSI)-191, "Assessment of Debris Accumulation on PWR [Pressurized-Water Reactor] Sump Performance," at South Texas Project, Units 1 and 2 (STP).

The purpose of this public teleconference call was to discuss the NRC staff's remaining unresolved concerns associated with the licensee's August 20, 2015, document. This submittal provided information on STPNOC's revised methodology to resolve GSI-191 using a risk combined with a deterministic – 'Risk over Deterministic' or 'RoverD' – methodology. In particular, the staff discussed draft questions associated with the thermal-hydraulic (T-H) review of GSI-191 which were transmitted to the licensee by email dated February 4, 2016, and are publicly available in ADAMS at Accession No. ML16040A069.

The licensee asked if the staff provided an update to its T-H analysis, which included a shift to use of a one-dimensional model versus the previously used three-dimensional model for the reactor pressure vessel and core. The licensee stated that it would provide the new nodalization drawings during the upcoming audit on February 23-25, 2016 (the draft audit plan

dated January 21, 2016, is available in ADAMS at Accession No. ML16085A006). The licensee also stated that the Base Case analyses under the STP Quality Assurance Program for steady state and the double-ended guillotine hot-leg break (a design basis accident) will be available at the audit.

The licensee then asked clarification questions on the NRC staff's draft T-H request for additional information concerning:

- accounting for crud in question 5,
- the appropriate use of RETRAN versus RELAP5 (question 6),
- confirming accurate entry conditions for long-term core cooling following core quench (question 7),
- appropriateness of STP using information from the RELAP5 users manual to answer questions 8 and 14, and
- the appropriate closure relationships in the user manual (questions 9 and 13).

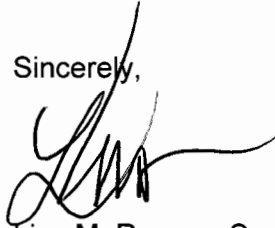
The next public meeting was mutually agreed to be on March 3, 2016.

One member of the public provided feedback at the meeting; Mr. Marvin Lewis discussed his concerns associated with high level waste, and high burn-up fuel producing oxides and spalling of fuel which could cause additional debris in the core. No Public Meeting Feedback Forms were received.

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If you have any questions, please contact me at 301-415-1906 or via e-mail at [Lisa.Regner@nrc.gov](mailto:Lisa.Regner@nrc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Lisa M. Regner', with a long horizontal flourish extending to the right.

Lisa M. Regner, Senior Project Manager  
Plant Licensing Branch IV-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosure:  
List of Attendees

cc w/encl: Distribution via Listserv

LIST OF ATTENDEES FEBRUARY 18, 2016, CONFERENCE CALL  
WITH STP NUCLEAR OPERATING COMPANY  
REGARDING RISK-INFORMED APPROACH TO RESOLUTION OF GSI-191  
SOUTH TEXAS PROJECT, UNITS 1 AND 2  
DOCKET NOS. 50-498 AND 50-499

<b>NAME</b>	<b>ORGANIZATION</b>
Lisa Regner	U.S. Nuclear Regulatory Commission (NRC)
Robert Taylor	NRC
Mike King	NRC
Josh Kaizer	NRC
Reed Anzalone	NRC
Steve Smith	NRC
Vic Cusumano	NRC
Ashley Smith	NRC
Steve Bajorek	NRC
Osvaldo Pensado	Southwest Research Institute (contractor for NRC)
Rob Engen	STP Nuclear Operating Company (STPNOC)
Ernie Kee	STPNOC
Wayne Harrison	STPNOC
Steve Blossom	STPNOC
Wes Schulz	STPNOC
Drew Richards	STPNOC
Bruce Letellier	Alion Science & Technology
Megan Stachowiak	Alion Science & Technology
Dominic Munoz	Alion Science & Technology
Jason Casey	Alion Science & Technology
Rodolfo Vaghetto	Texas A&M
Ron Holloway	Wolf Creek Nuclear Operating Company
Brian Krystek	Engineering Planning and Management, Inc.
Tim Sande	ENERCON

Enclosure

If you have any questions, please contact me at 301-415-1906 or via e-mail at [Lisa.Regner@nrc.gov](mailto:Lisa.Regner@nrc.gov).

Sincerely,

**/RA/**

Lisa M. Regner, Senior Project Manager  
Plant Licensing Branch IV-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosure:  
List of Attendees

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**ADAMS Accession No. ML16088A243**

\* per email

OFFICE	NRR/DORL/LPL4-1/PM	NRR/DORL/LPL4-1/LA	NRR/DSS/SSIB/BC
NAME	LRegner	JBurkhardt	VCusumano
DATE	3/28/16	3/28/16	3/31/16
OFFICE	NRR/DSS/SNPB/BC	NRR/DORL/LPL4-1/BC	NRR/DORL/LPL4-1/PM
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DATE	3/31/16	4/1/16	4/1/16

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